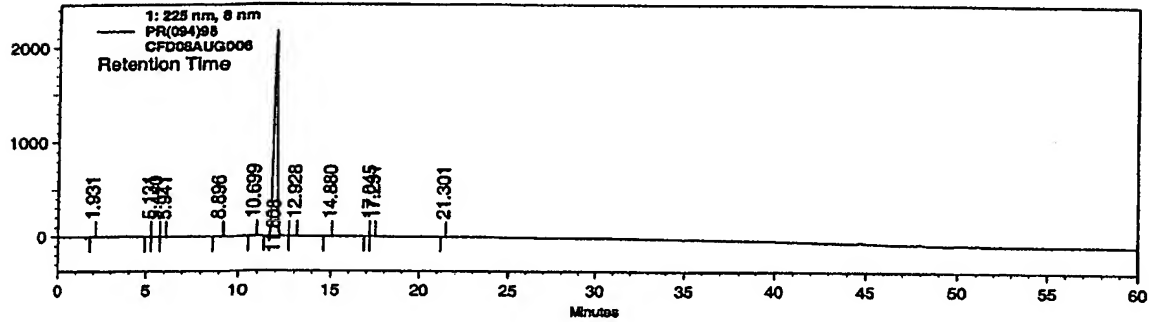# APL RESEARCH CENTER
ANALYTICAL RESEARCH DEPARTMENT

SAMPLE ID   : PR(094)98
FILE NAME   : D:\DATA\▆▆▆▆▆▆
METHOD NAME   : D:\METHODS\CEFDINIR_gradient.met
ACQUIRED TIME: ▆▆▆▆▆▆▆

VIAL NO: 1
INJ. VOL : 20 µl
INSTRUMENT ID: ARE_058
USER REF: kk -MD( )

1: 225 nm, 8 nm

Retention Time	Area	Area Percent	Relative RT
1.931	13912	0.05	0.16
5.131	7636	0.03	0.43
5.440	9639	0.03	0.46
5.941	11407	0.04	0.50
8.896	14601	0.05	0.75
10.699	21918	0.07	0.91
11.808	29201853	99.40	1.00
12.928	10317	0.04	1.10
14.880	11330	0.04	1.26
17.045	21316	0.07	1.45
17.291	39769	0.14	1.47
21.301	13306	0.05	1.81

Totals			
	29377004	100.00	

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OK

Product : Cefdinir

Project : Cefdinir &ge? : ARF—058

Method for : Chromatographic purity

HPLC Condn :—

MP : (0.02M NaHPO4 + 0.4mM EDTA) pH 6 : (ACN + MeOH) 8:2

Time	A	B
t0	98	02
t10	90	10
30	65	35
45	30	70
60	30	70
61	98	02
70	98	02

Column : Hypersil BDS-C18 or C18 X50 5µ Flow : 1.0 ml/min

Det : 225 nm Acquisition : 60 mins t = 40°C

Observation & Conclusion :— RT

(4) PR(094)98 Sample analysed purity 99.4%

Cefdinir : 11.9

Amide : 42.0

AVNA : 4.5

All closely eluting impurities are well separated Method is good but baseline drift towards neg. is observed, it should be improved.

HPLC INSTRUMENT LOG BOOK

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DATE	START TIME	END TIME	PROJECT/BATCH NO.	ANALYST (INITIALS)	REMARKS	SIGNATURE
	10.00	overnight	Cefdinir Prof & Rs. Mfg		—	
	10.00	overnight	Cefdinir — " —		—	
	10.00	"	Cefdinir — " —		—	
	10.45	"	—do—			
	10.30	"	Cefprone	ab	LCC157	ab
	10.10	8.10 pm	Cefdinir & Stanozli			
	11:00 Am	20.00	Tofabatins st-5 Purifica	K.C. Shoraf		
	2.00 pm	"	Cilalopram. Rm. Mon.	R.L. Das	LCC147	
	10.30 Am	overnight	Cefdinir RS. dev		—	
	10.00 Am	overnight	Cefdinir RS dr		—	
	10.30 pm	overnight	Cefdinir RS dev		—	
	10.00 Am	overnight	Cefdinir RS dev		—	
	10.00 Am	16:00	Cefdinir Rs r		—	
	18:00	23:00	Atorocam / d.000m RmRs	CM-S 140	LCC60	
	10.30	overnight	Cefdnij Rs dv		—	
	10.00	overnight	— " —		—	
	10.00	6.00 pm	— " —		—	
	9.30	20.10	EC.RM - Rxm	O. V. Reddy	LCC056	O. ned
	10.00	"	EC.RM - Rxm (Method Development and Rxn Samples	O. V. Reddy	LCC056	O. my